

## Author Index

- Abe, I., *see* Goto, M. et al.  
Adamson, A.H., *see* Givens, D.I. et al.  
Aguilera, J.F., Bustos, M. and Molina, E. (Granada, Spain)  
    The degradability of legume seed meals in the rumen: effect of heat treatment ..... 101  
Agunbiade, J.A., Wiseman, J. and Cole, D.J.A. (Loughborough, UK)  
    Utilization of dietary energy and nutrients from soya bean products by growing pigs .... 303  
Akin, D.E., *see* Ohlde, G.W. et al.  
Andrieu, J., *see* Aufrère, J. et al.  
Aronen, I. (Jokioinen, Finland)  
    Influence of frequency and accuracy of supplement feeding on rumen fermentation,  
    feed intake, diet digestion and performance of growing cattle. 2. Studies with growing  
    bulls on restricted feeding ..... 153  
Aufrère, J., Graviou, D., Demarquilly, C., Andrieu, J. (St. Genès Champanelle, France),  
    Emile, J.C. (Lusignan, France), Giovanni, R. (L'hermitage, France) and Maupetit, P.  
    (Boigneville, France)  
    Estimation of organic matter digestibility of whole maize plants by laboratory methods 187  
Ba, S., *see* Geay, Y. et al.  
Baker, C.W., *see* Givens, D.I. et al.  
Beaumat, Ph., *see* Stevani, J. et al.  
Becker, K., *see* Ohlde, G.W. et al.  
Bunting, L.D., *see* Kennedy, D.W. and Bunting, L.D.  
Bustos, M., *see* Aguilera, J.F. et al.  
Capper, B.S., Yimegnuhal, A. and O'Connor, C.B. (Addis Ababa, Ethiopia)  
    Use of whey and concentrate to partially replace whole milk consumption in the  
    rearing of Friesian × Boran calves ..... 59  
Christaki, E.V., *see* Yannakopoulos, A.L. et al.  
Cole, D.J.A., *see* Agunbiade, J.A. et al.  
Coleou, J., *see* Sahle, M. et al.  
Demarquilly, C., *see* Aufrère, J. et al.  
Durand, M., *see* Stevani, J. et al.  
Edmunds, B.K., *see* Wiseman, J. et al.  
El Zubeir, E.A. and Mustafa, E.A. (Khartoum, Sudan)  
    The replacement value of sorghum gluten meal for soya-bean meal in broiler chick  
    diets ..... 339  
Emile, J.C., *see* Aufrère, J. et al.  
Fadel, J.G. (Davis, CA, USA)  
    Evaluation of chemical composition, optical density measurements and in sacco  
    disappearance of two commodities under controlled moisture and heating conditions .. 13  
Flachowsky, G. and Grün, M. (Jena, Germany)  
    Influence of type of diet and incubation time on major elements release in sacco from  
    Italian ryegrass, untreated and ammonia-treated wheat straw ..... 239

- Geay, Y., Richet, E., Ba, S. and Thivend, P. (St. Genès Champanelle, France)  
Effects of feeding sorbitol associated with different sources and amounts of nitrogen on growth, digestion and metabolism in young bulls ..... 255
- Giovanni, R., *see* Aufrère, J. et al.
- Givens, D.I. (Stratford on Avon, UK), Baker, C.W. (Exeter, UK) and Zamime, B. (Newcastle upon Tyne)  
Regions of normalised near infrared reflectance difference spectra related to the rumen digestion of straws ..... 1
- Givens, D.I., Moss, A.R. (Stratford on Avon, UK) and A.H. Adamson (Bristol, UK)  
The chemical composition and energy value of high temperature dried grass produced in England ..... 215
- Goto, M. (Tsu, Japan), Takabe, K. (Kyoto, Japan), Morita, O. and Abe, I. (Tsu, Japan)  
Ultraviolet microscopy of lignins in specific cell walls of barley straw fractions with different rumen degradability ..... 229
- Gravendeel, S., *see* Van der Poel, A.F.B. et al.
- Graviou, D., *see* Aufrère, J. et al.
- Grün, M., *see* Flachowsky, G. and Grün, M.
- Haas, C., *see* Sahle, M. et al.
- Hannequart, G., *see* Stevani, J. et al.
- Hoshino, S., *see* Kobayashi, Y. et al.
- Huhtanen, P. (Helsinki, Finland)  
The effects of barley vs. barley fibre with or without distiller's solubles on site and extent of nutrient digestion in cattle fed grass-silage-based diet ..... 319
- Jansman, A.J.M., *see* Van der Poel, A.F.B. et al.
- Kemp, B., *see* Van der Poel, A.F.B. et al.
- Kennedy, D.W. and Bunting, L.D. (Baton Rouge, LA, USA)  
Effects of starch on ruminal fermentation and detergent fibre digestion in lambs fed bermudagrass hay ..... 91
- Khalili, H. and Varvikko, T. (Addis Ababa, Ethiopia)  
Effect of replacement of concentrate mix by wilted sesbania (*Sesbania sesban*) forage on diet digestibility, rumen fermentation and milk production in Friesian × Zebu (Boran) crossbred cows fed low quality native hay ..... 275
- Kobayashi, Y., Wakita, M. and Hoshino, S. (Tsu, Japan)  
Effects of the ionophore salinomycin on nitrogen and long-chain fatty acid profiles of digesta in the rumen and the duodenum of sheep ..... 67
- Lyon, C.E., *see* Ohlde, G.W. et al.
- Makkar, H.P.S. and Singh, B. (Palampur, India)  
Detannification of oak (*Quercus incana*) leaves: treatments and their optimization ..... 113
- Maupetit, P., *see* Aufrère, J. et al.
- Molina, E., *see* Aguilera, J.F. et al.
- Morita, O., *see* Goto, M. et al.
- Moss, A.R., *see* Givens, D.I. et al.
- Moughan, P.J., *see* Rowan, A.M. et al.
- Mustafa, E.A., *see* El Zubeir, E.A. and Mustafa, E.A.
- Ohlde, G.W., Becker, K. (Stuttgart, Germany), Akin, D.E., Rigsby, L.L. and Lyon, C.E. (Athens, GA, USA)  
Differences in rumen bacterial degradation of morphological fractions in eight cereal straws and the effect of digestion on different types of tissues and mechanical properties of straw stalks ..... 173

- O'Connor, C.B., *see* Capper, B.S. et al.
- Rajaguru, A.S.B., *see* Samarasinghe, K. and Rajaguru, A.S.B.
- Richet, E., *see* Geay, Y. et al.
- Rigsby, L.L., *see* Ohlde, G.W. et al.
- Rowan, A.M., Moughan, P.J. and Wilson, M.N. (Palmerston North, New Zealand)  
The flows of deoxyribonucleic acid and diaminopimelic acid and the digestibility of dietary fibre components at the terminal ileum, as indicators of microbial activity in the upper digestive tract of ileostomised pigs ..... 129
- Sahle, M., Coleou, J. and Haas, C. (Paris, France)  
Nutritional value of cassava meal in diets for geese ..... 29
- Samarasinghe, K. and Rajaguru, A.S.B. (Peradeniya, Sri Lanka)  
Raw and processed wild colocasia corm meal (*Colocasia esculenta* (L.) Schott, var. *esculenta*) as an energy source for broilers ..... 143
- Shepperson, N., *see* Wiseman, J. et al.
- Singh, B., *see* Makkar, H.P.S. and Singh, B.
- Stevani, J., Durand, M., Zanchi, R., Beaumatin, Ph. and Hannequart, G. (Jouy-en-Josas, France)  
Effects of sulphate supplementation of untreated and alkali-treated wheat straws on ruminal fermentation and microbial protein synthesis in a semi-continuous fermentor . 287
- Takabe, K., *see* Goto, M. et al.
- Tesfa, A.T. (Helsinki, Finland)  
Effects of rapeseed oil on rumen enzyme activity and in sacco degradation of grass silage ..... 77
- Thivend, P., *see* Geay, Y. et al.
- Tserveni-Gousi, A.S., *see* Yannakopoulos, A.L. et al.
- Varvikko, T., *see* Khalili, H. and Varvikko, T.
- Van der Poel, A.F.B., Gravendeel, S., van Kleef, D.J., Jansman, A.J.M. and Kemp, B. (Wageningen, Netherlands)  
Tannin-containing faba beans (*Vicia faba* L.): effects of methods of processing on ileal digestibility of protein and starch for growing pigs ..... 205
- Van Kleef, D.J., *see* Van der Poel, A.F.B. et al.
- Wakita, M., *see* Kobayashi, Y. et al.
- Wilson, M.N., *see* Rowan, A.M. et al.
- Wiseman, J. (Loughborough, UK), Edmunds, B.K. and Shepperson, N. (Hull, UK)  
The apparent metabolisable energy of sunflower oil and sunflower acid oil for broiler chickens ..... 41
- Yannakopoulos, A.L., Tserveni-Gousi, A.S. and Christaki, E.V. (Thessaloniki, Greece)  
Effect of locally produced tomato meal on the performance and the egg quality of laying hens ..... 53
- Yimegnuhal, A., *see* Capper, B.S. et al.
- Zamime, B., *see* Givens, D.I. et al.
- Zanchi, R., *see* Stevani, J. et al.



